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127 -001

Ritter® by MIDMARK

Air Lift Procedures Stool

Service and Parts Manual

Serial Number Prefix:
S

127 -001

FOR USE BY MIDMARK
TRAINED TECHNICIANS ONLY

SF-1512

Part No. 004-0027-00 Rev. B (1/03)

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IMPORTANT INSTRUCTIONS

General Safety Instructions

Safety First: The primary concern of Midmark Corporation is that this table is maintained with the safety of the patient and staff in mind. To assure that services and repairs are completed safely and correctly, proceed as follows:

(1) Read this entire manual before performing any services or repairs on this stool.

(2) Be sure you understand the instructions contained in this manual before attempting to service or repair this stool.

Safety Alert Symbols

Throughout this manual are safety alert symbols that call attention to particular procedures. These items are used as follows:

DANGER

A DANGER is used for an imminently hazardous operating procedure, practice, or condition which, if not correctly followed, will result in loss of life or serious personal injury.

WARNING

A WARNING is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in loss of life or serious personal injury.

CAUTION

A CAUTION is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in minor or moderate injury. It may also be used to alert against unsafe practices.

EQUIPMENT ALERT

An EQUIPMENT ALERT is used for an imminently or potentially hazardous operating procedure, practice, or condition which, if not correctly followed, will or could result in serious, moderate, or minor damage to unit.

NOTE

A NOTE is used to amplify an operating procedure, practice or condition.

Warranty Instructions

Refer to the Midmark "Limited Warranty" printed in the Installation and Operation Manual for warranty information. Failure to follow the guidelines listed below will void the warranty and/or render the 127 Stool unsafe for operation.

- In the event of a malfunction, do not attempt to use the stool until necessary repairs have been made.
- Do not attempt to disassemble stool, replace malfunctioning or damaged components, or perform adjustments unless you are one of Midmark's authorized service technicians.
- Do not substitute parts of another manufacturer when replacing inoperative or damaged components. Use only Midmark replacement parts.

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SECTION VI
PARTS LIST

6.1 Introduction

The illustrated parts list provides information for identifying and ordering the parts necessary to maintain the unit in peak operating condition. Refer to paragraph 1.5 for parts ordering information.

The parts list also illustrates disassembly and assembly relationships of parts.

6.2 Description of Columns

The *Item* column of the parts list gives a component its own unique number. The same number is given to the component in the parts illustration. This allows a part number of a component to be found if the technician can visually spot the part on the illustration. The technician simply finds the component in question on the illustration and notes the item number of that component. Then, he finds that item number in the parts list. The row corresponding to the item number gives the technician the part number, a description of the component, and quantity of parts per subassembly. Also, if a part number is known, the location of that component can be determined by looking for the item number of the component on the illustration.

The *Part No.* column lists the MIDMARK part number for that component.

The *Description* column provides a physical description of the component.

The *Qty.* column lists the number of units of a particular component that is required for the subassembly. The letters “AR” denote “as required” when quantities of a particular component cannot be determined, such as: adhesive.

Bullets { • } in the *Part No.* column and the *Description* column show the indenture level of a component. If a component does not have a bullet, it is a main component of that illustration. If a component has a bullet, it is a subcomponent of the next component listed higher in the parts list than itself that does not have a bullet. Likewise, if a component has two bullets, it is a subcomponent of the next component listed higher in the parts list than itself that has only one bullet.

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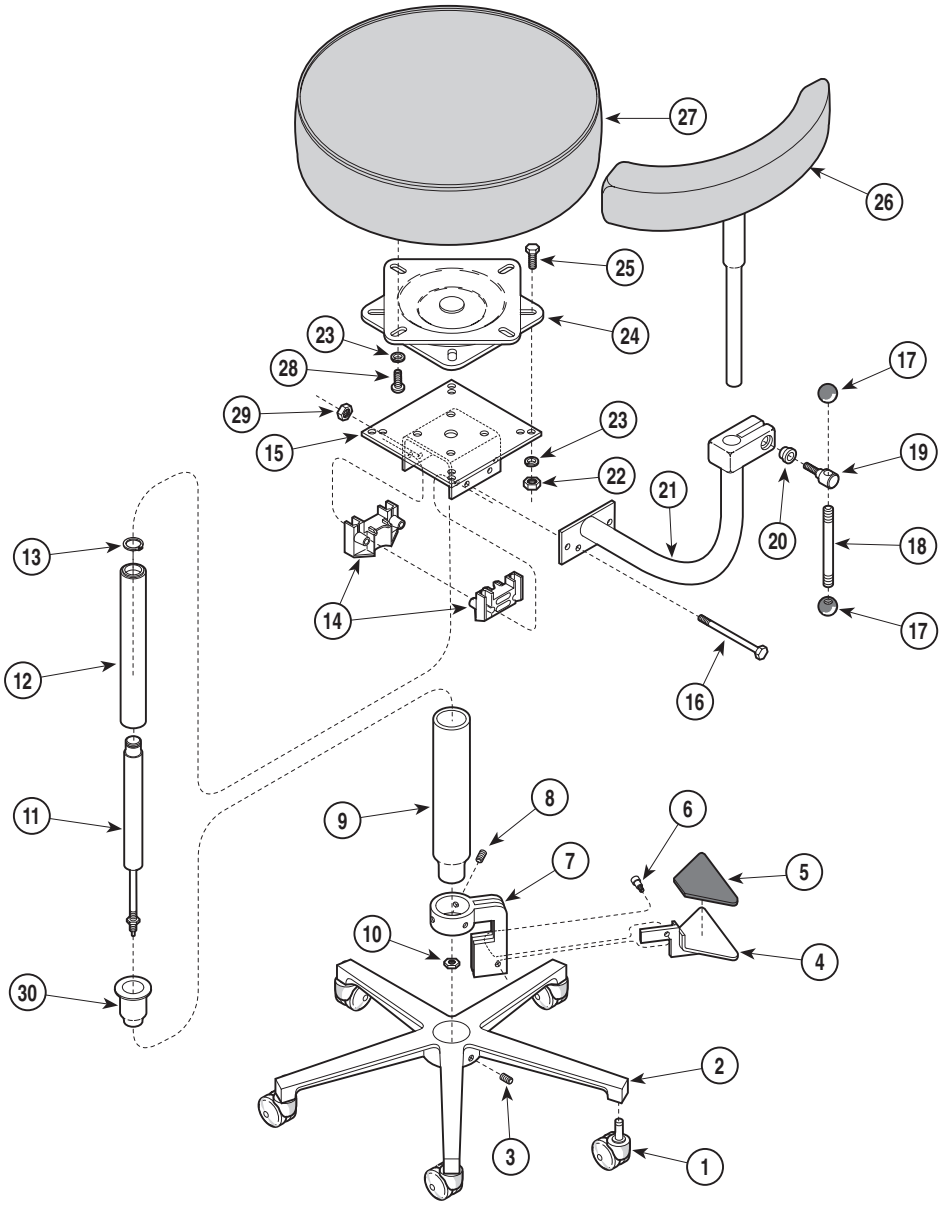
127 Stool Assembly



MA331801

Used On Units With Serial Number S1000 thru S16202

Item	Part No.	Description	Qty.
	127-001	Stool Assembly (Incl. Items 1 thru 30)	1
1	• 016-0049-00	• Caster	5
2	• 020-0014-01	• Five Point Base	1
3	• 040-0250-04	• Set Screw	3
4	• 030-0305-00	• Pedal Weldment	1
5	• 053-0150-00	• Foot Pedal Tread	1
6	• 042-0014-04	• Shoulder Screw	1
7	• 030-0306-00	• Pedal Support Weldment	1
8	• 040-0250-05	• Set Screw	3
9	• 030-0315-00	• Column Weldment	1
10	• 016-0182-00	• Nut (Apply Loctite #042-0025-00)	1
11	• 016-0181-00	• Gas Cylinder	1
12	• 030-0316-00	• Tube Weldment	1
13	• 042-0047-00	• Crescent Ring	1
14	• 016-0090-02	• Die Cast Jaw	2
15	• 030-0304-00	• Support Plate Weldment	1
16	• 040-0312-09	• Screw	1
17	• 016-0050-00	• Handle Knob	2
18	• 057-0112-00	• Handle (Apply Loctite #042-0025-00)	1
19	• 057-0116-00	• Handle Mount	1
20	• 053-0114-00	• Nylon Bearing	1
21	• 030-0303-02	• Back Support Weldment	1
22	• 041-0250-06	• Hex Nut	4
23	• 045-0001-03	• Lockwasher	8
24	• 016-0179-00	• Swivel	1
25	• 040-0250-47	• Screw	4
26	• 028-0079-00	• Upholstered Torso Band (Specify Color)	1
27	• 028-0080-00	• Upholstered Stool Seat Pad (Specify Color)	1
28	• 040-0250-03	• Screw	4
29	• 041-0312-05	• Whiz Lock Nut	1
30	• 053-0151-00	• Bushing	1

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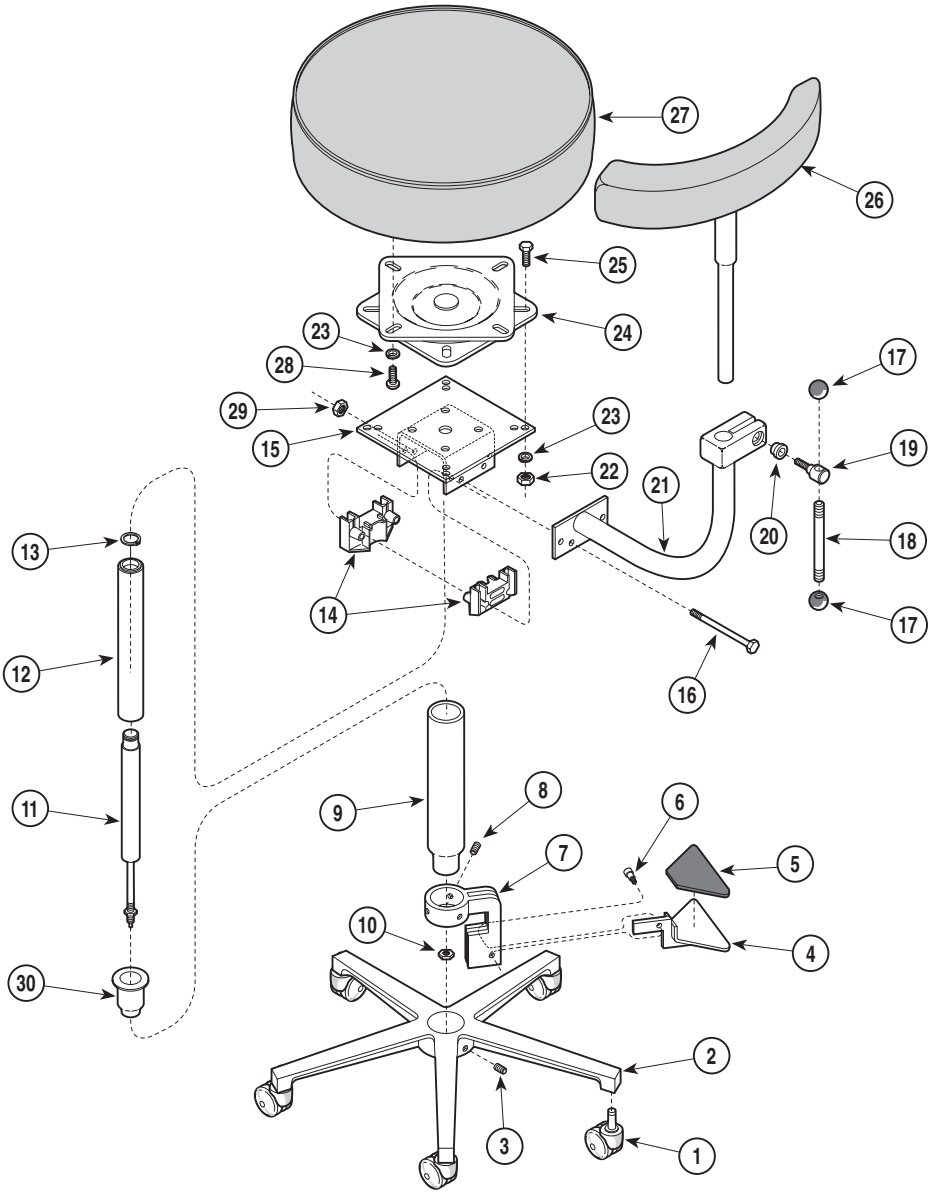
127 Stool Assembly



MA331801

Used On Units With Serial Number S16203 thru S74339

Item	Part No.	Description	Qty.
	127-001	Stool Assembly (Incl. Items 1 thru 30)	1
1	• 016-0169-00	• Twin Wheel Caster	5
2	• 020-0017-01	• Five Point Base	1
3	• 040-0250-04	• Set Screw	3
4	• 030-0305-00	• Pedal Weldment	1
5	• 053-0150-00	• Foot Pedal Tread	1
6	• 042-0014-04	• Shoulder Screw	1
7	• 030-0306-00	• Pedal Support Weldment	1
8	• 040-0250-05	• Set Screw	3
9	• 030-0315-00	• Column Weldment	1
10	• 016-0182-00	• Nut (Apply Loctite #042-0025-00)	1
11	• 016-0181-00	• Gas Cylinder	1
12	• 030-0316-00	• Tube Weldment	1
13	• 042-0047-00	• Crescent Ring	1
14	• 016-0090-02	• Die Cast Jaw	2
15	• 030-0304-00	• Support Plate Weldment	1
16	• 040-0312-09	• Screw	1
17	• 016-0050-00	• Handle Knob	2
18	• 057-0112-00	• Handle (Apply Loctite #042-0025-00)	1
19	• 057-0116-00	• Handle Mount	1
20	• 053-0114-00	• Nylon Bearing	1
21	• 030-0303-02	• Back Support Weldment	1
22	• 041-0250-06	• Hex Nut	4
23	• 045-0001-03	• Lockwasher	8
24	• 016-0179-00	• Swivel	1
25	• 040-0250-47	• Screw	4
26	• 028-0079-00	• Upholstered Torso Band (Specify Color)	1
27	• 028-0080-00	• Upholstered Stool Seat Pad (Specify Color)	1
28	• 040-0250-03	• Screw	4
29	• 041-0312-05	• Whiz Lock Nut	1
30	• 053-0151-00	• Bushing	1

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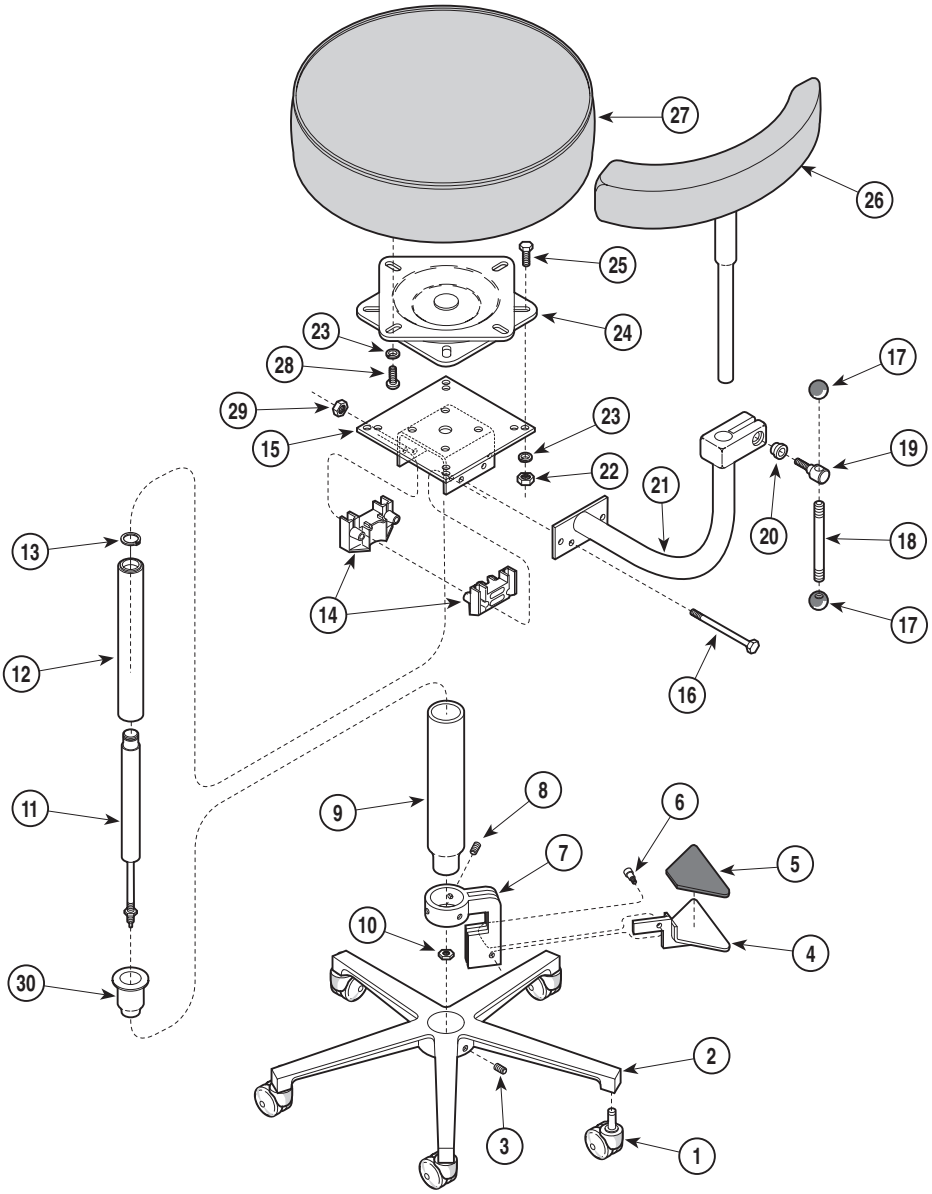

MA331801

Used On Units With Serial Number S74340 thru S98198

Item	Part No.	Description	Qty.
	127-001	Stool Assembly (Incl. Items 1 thru 30)	1
1	• 016-0362-00	• Twin Wheel Caster	5
2	• 020-0017-01	• Five Point Base	1
3	• 040-0250-04	• Set Screw	3
4	• 030-0305-00	• Pedal Weldment	1
5	• 053-0150-00	• Foot Pedal Tread	1
6	• 042-0014-04	• Shoulder Screw	1
7	• 030-0306-00	• Pedal Support Weldment	1
8	• 040-0250-05	• Set Screw	3
9	• 030-0315-00	• Column Weldment	1
10	• 016-0182-00	• Nut (Apply Loctite #042-0025-00)	1
11	• 016-0181-00	• Gas Cylinder	1
12	• 030-0316-00	• Tube Weldment	1
13	• 042-0047-00	• Crescent Ring	1
14	• 016-0090-02	• Die Cast Jaw	2
15	• 030-0304-00	• Support Plate Weldment	1
16	• 040-0312-09	• Screw	1
17	• 016-0050-00	• Handle Knob	2
18	• 057-0112-00	• Handle (Apply Loctite #042-0025-00)	1
19	• 057-0116-00	• Handle Mount	1
20	• 053-0114-00	• Nylon Bearing	1
21	• 030-0303-02	• Back Support Weldment	1
22	• 041-0250-06	• Hex Nut	4
23	• 045-0001-03	• Lockwasher	8
24	• 016-0179-00	• Swivel	1
25	• 040-0250-47	• Screw	4
26	• 028-0079-00	• Upholstered Torso Band (Specify Color)	1
27	• 028-0080-00	• Upholstered Stool Seat Pad (Specify Color)	1
28	• 040-0250-03	• Screw	4
29	• 041-0312-05	• Whiz Lock Nut	1
30	• 053-0151-00	• Bushing	1

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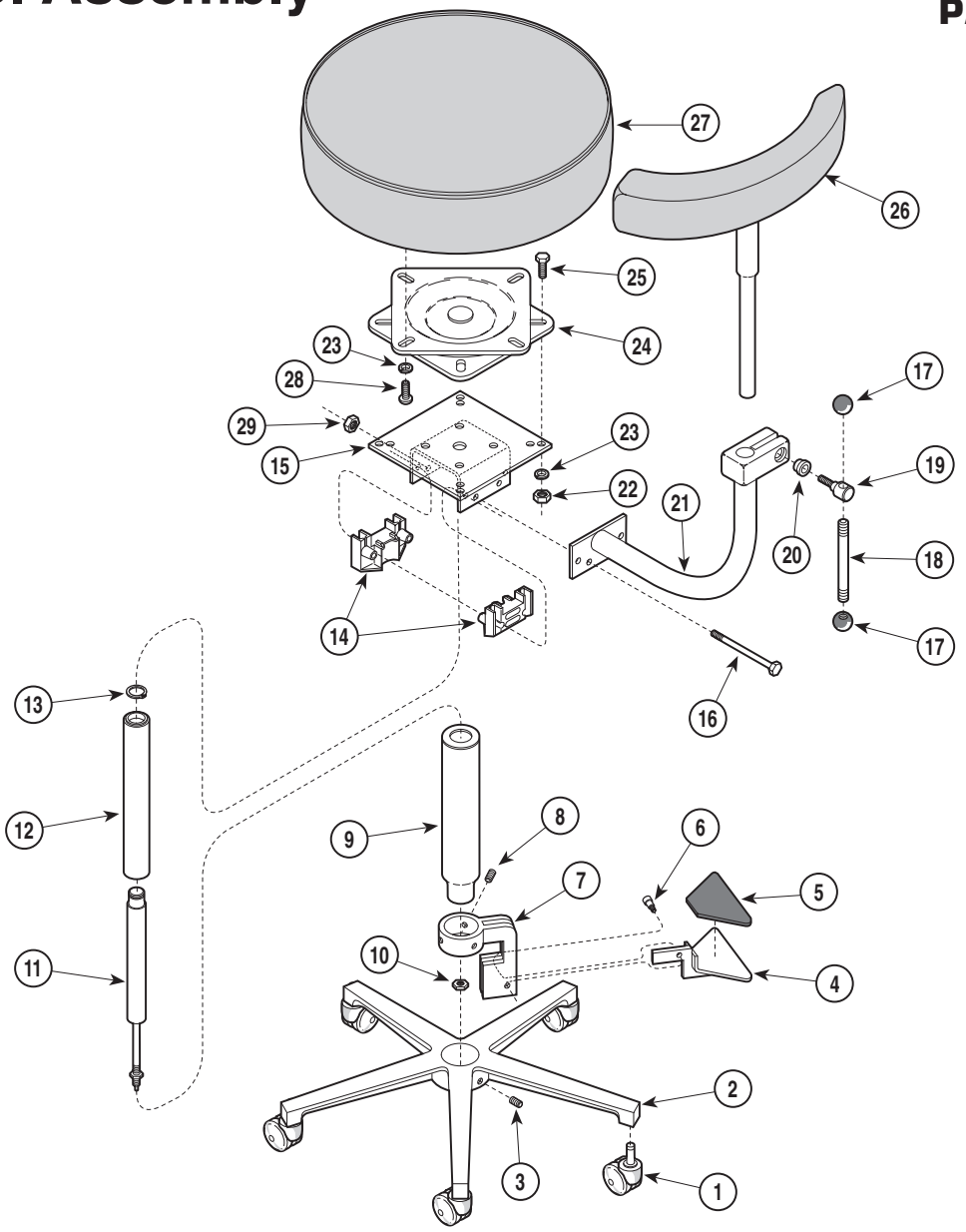

MA331800

Used On Units With Serial Number S98199 thru S249498

Item	Part No.	Description	Qty.
	127-001	Stool Assembly (Incl. Items 1 thru 29)	1
1	• 016-0362-00	• Twin Wheel Caster	5
2	• 020-0017-01	• Five Point Base	1
3	• 040-0250-04	• Set Screw	3
4	• 030-0305-00	• Pedal Weldment	1
5	• 053-0150-00	• Foot Pedal Tread	1
6	• 042-0014-04	• Shoulder Screw	1
7	• 030-0306-00	• Pedal Support Weldment	1
8	• 040-0250-05	• Set Screw	3
9	• 030-0720-00	• Column Weldment	1
10	• 016-0182-00	• Nut (Apply Loctite #042-0025-00)	1
11	• 016-0181-00	• Gas Cylinder	1
12	• 030-0316-00	• Tube Weldment	1
13	• 042-0047-00	• Crescent Ring	1
14	• 016-0090-02	• Die Cast Jaw	2
15	• 030-0304-00	• Support Plate Weldment	1
16	• 040-0312-09	• Screw	1
17	• 016-0050-00	• Handle Knob	2
18	• 057-0112-00	• Handle (Apply Loctite #042-0025-00)	1
19	• 057-0116-00	• Handle Mount	1
20	• 053-0114-00	• Nylon Bearing	1
21	• 030-0303-02	• Back Support Weldment	1
22	• 041-0250-06	• Hex Nut	4
23	• 045-0001-03	• Lockwasher	8
24	• 016-0179-00	• Swivel	1
25	• 040-0250-47	• Screw	4
26	• 028-0079-00	• Upholstered Torso Band (Specify Color)	1
27	• 028-0080-00	• Upholstered Stool Seat Pad (Specify Color)	1
28	• 040-0250-03	• Screw	4
29	• 041-0312-05	• Whiz Lock Nut	1

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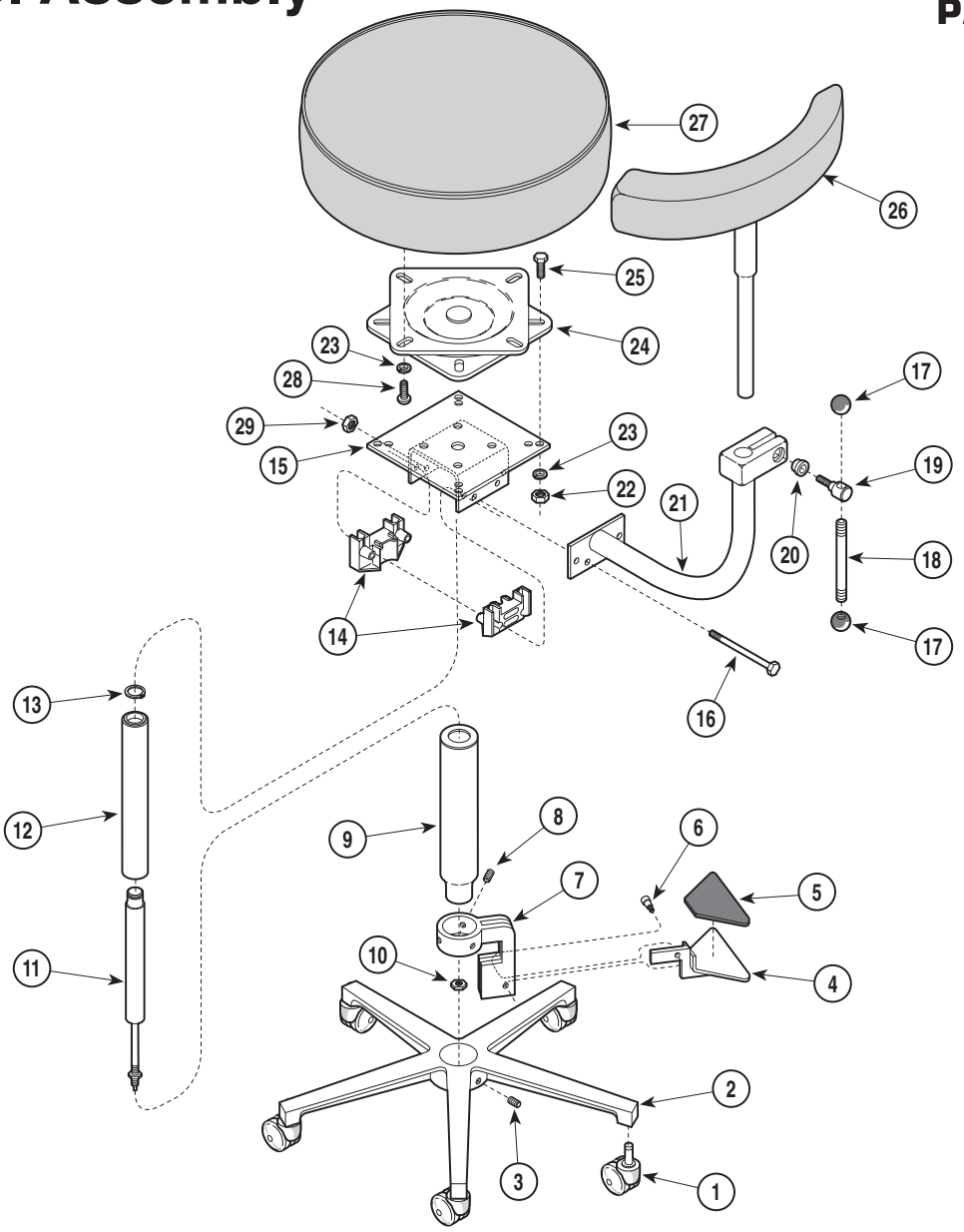

MA331800

Used On Units With Serial Number S249499 thru S316773

Item	Part No.	Description	Qty.
	127-001	Stool Assembly (Incl. Items 1 thru 29)	1
1	• 016-0675-00	• Twin Wheel Caster	5
2	• 020-0017-01	• Five Point Base	1
3	• 040-0250-04	• Set Screw	3
4	• 030-0305-00	• Pedal Weldment	1
5	• 053-0150-00	• Foot Pedal Tread	1
6	• 042-0014-04	• Shoulder Screw	1
7	• 030-0306-00	• Pedal Support Weldment	1
8	• 040-0250-05	• Set Screw	3
9	• 016-0669-00	• Column Weldment	1
10	• 016-0182-00	• Nut (Apply Loctite #042-0025-00)	1
11	• 016-0181-00	• Gas Cylinder	1
12	• 030-0316-00	• Tube Weldment	1
13	• 042-0047-00	• Crescent Ring	1
14	• 016-0090-02	• Die Cast Jaw	2
15	• 030-0304-00	• Support Plate Weldment	1
16	• 040-0312-09	• Screw	1
17	• 016-0050-00	• Handle Knob	2
18	• 057-0112-00	• Handle (Apply Loctite #042-0025-00)	1
19	• 057-0116-00	• Handle Mount	1
20	• 053-0114-00	• Nylon Bearing	1
21	• 030-0303-02	• Back Support Weldment	1
22	• 041-0250-06	• Hex Nut	4
23	• 045-0001-03	• Lockwasher	8
24	• 016-0179-00	• Swivel	1
25	• 040-0250-47	• Screw	4
26	• 028-0079-00	• Upholstered Torso Band (Specify Color)	1
27	• 028-0080-00	• Upholstered Stool Seat Pad (Specify Color)	1
28	• 040-0250-03	• Screw	4
29	• 041-0312-05	• Whiz Lock Nut	1

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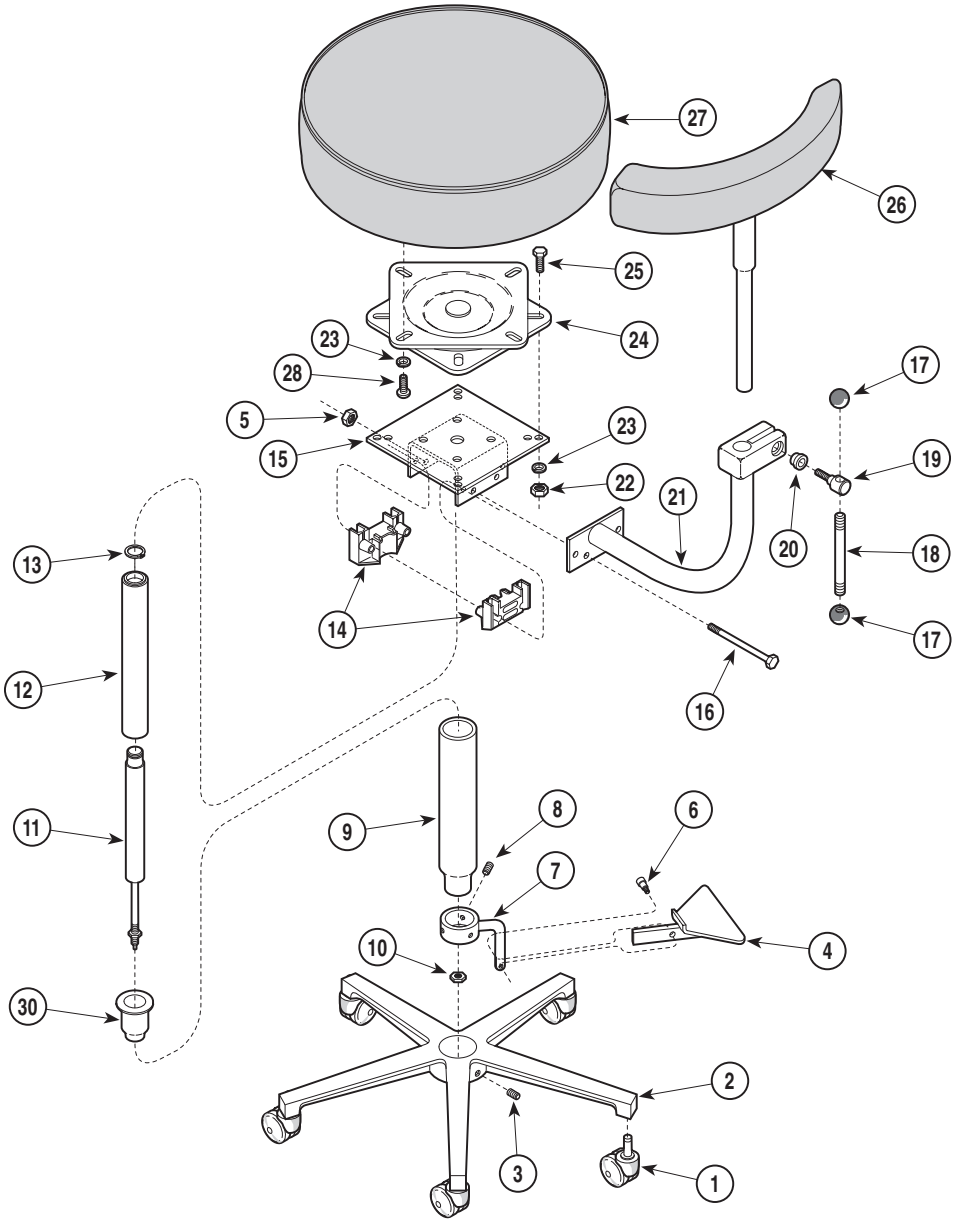

MA449300

Used On Units With Serial Number S316774 thru S388545

Item	Part No.	Description	Qty.
	127-001	Stool Assembly (Incl. Items 1 thru 28) ..	1
1	• 016-0675-00	• Twin Wheel Caster	5
2	• 020-0017-01	• Five Point Base	1
3	• 040-0250-04	• Set Screw	3
4	• 030-0644-00	• Pedal Weldment	1
5	• 041-0312-05	• Whiz Lock Nut	1
6	• 042-0014-22	• Shoulder Screw (Loctite #042-0025-00)	1
7	• 030-0639-00	• Pedal Support Weldment	1
8	• 040-0250-04	• Set Screw (Loctite #042-0025-00)	3
9	• 016-0669-00	• Column Weldment	1
10	• 016-0182-00	• Nut (Apply Loctite #042-0025-00)	1
11	• 016-0181-00	• Gas Cylinder	1
12	• 030-0316-00	• Tube Weldment	1
13	• 042-0047-00	• Crescent Ring	1
14	• 016-0090-02	• Die Cast Jaw	2
15	• 030-0304-00	• Support Plate Weldment	1
16	• 040-0312-09	• Screw	1
17	• 016-0050-00	• Handle Knob	2
18	• 057-0112-00	• Handle (Apply Loctite #042-0025-00)	1
19	• 057-0116-00	• Handle Mount	1
20	• 053-0114-00	• Nylon Bearing	1
21	• 030-0303-02	• Back Support Weldment	1
22	• 041-0250-06	• Hex Nut	4
23	• 045-0001-03	• Lockwasher	8
24	• 016-0179-00	• Swivel	1
25	• 040-0250-47	• Screw	4
26	• 028-0079-00	• Upholstered Torso Band (Specify Color)	1
27	• 028-0080-00	• Upholstered Stool Seat Pad (Specify Color)	1
28	• 040-0250-03	• Screw	4

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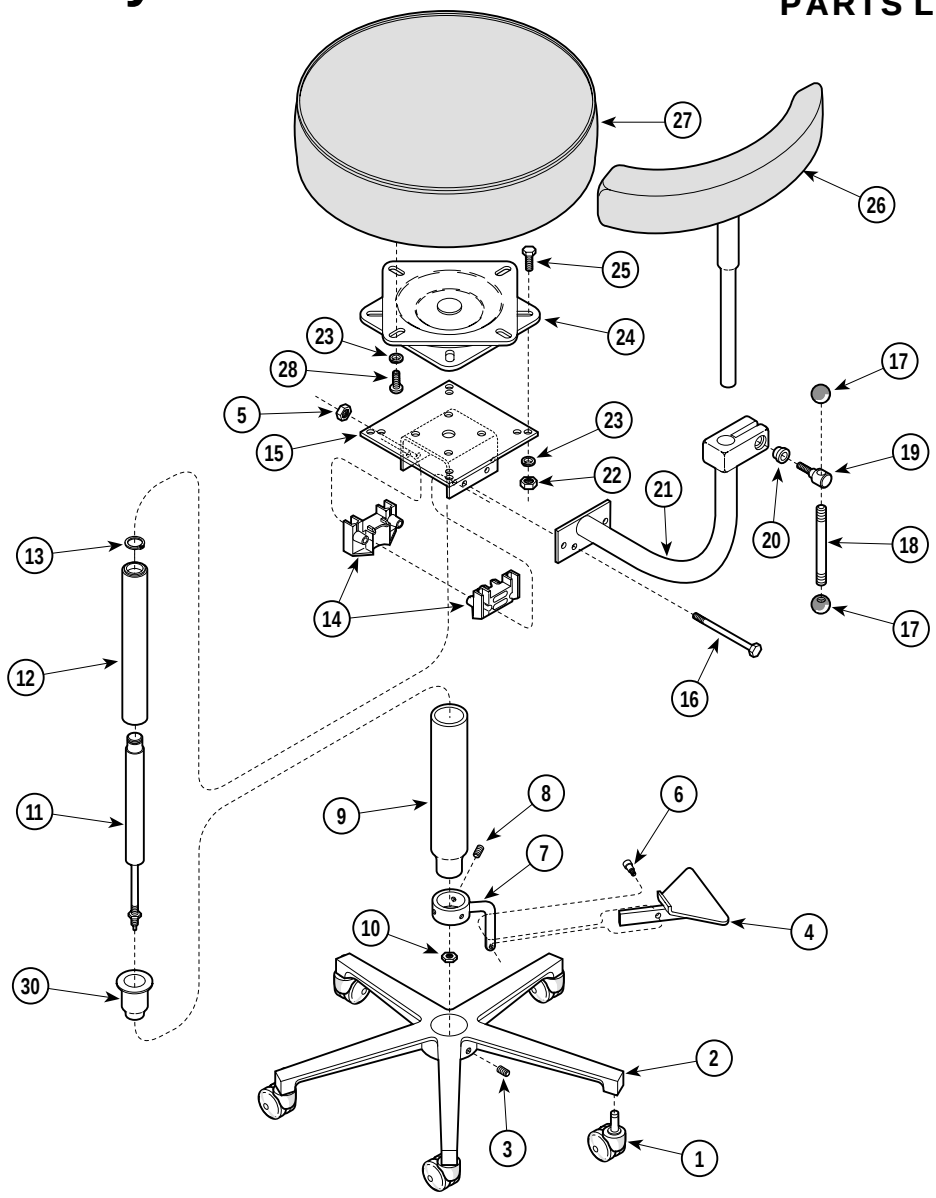
127 Stool Assembly

Standard Upholstery

UPHOLSTERY COLOR CODES *[replace -xxx]*
-202.... Iris Blue
-203.... Nile Green
-204.... Terra Rosa
-205.... Royal Lavendar
-206.... Wedgewood
-207.... Monaco
-208.... Royal Carriage
-209.... Monet
-210.... Soft Pearl
-211.... Waterford
-212.... English Gardens
-213.... Cabernet
-214.... Tapestry
-215.... Cathedral
-216.... Pebble Grey
-999.... Special

Ultra-Leather Upholstery

UPHOLSTERY COLOR CODES *[replace -xxx]*
-241 ... Pacific Blue
-242 ... Spruce
-243 ... Olivine
-244 ... Arctic
-245 ... Sky
-246 ... Canyon



MA449300

Used On Units With Serial Number S388546 thru Present

Item	Part No.	Description	Qty.
		Note:** The **-xxx** in the model number denotes upholstery color.* ***Refer to color code chart on this page.	
	127-001-xxx	Stool Assembly (Incl. Items 1 thru 28)	1
1	• 016-0675-00	• Twin Wheel Caster	5
2	• 020-0017-01	• Five Point Base	1
3	• 040-0250-04	• Set Screw	3
4	• 030-0644-00	• Pedal Weldment	1
5	• 041-0312-05	• Whiz Lock Nut	3
6	• 042-0014-22	• Shoulder Screw (Loctite #042-0025-00)	1
7	• 030-0639-00	• Pedal Support Weldment	1
8	• 040-0250-04	• Set Screw (Loctite #042-0025-00)	3
9	• 016-0669-00	• Column Weldment	1
10	• 016-0182-00	• Nut (Apply Loctite #042-0025-00)	1
11	• 016-0181-00	• Gas Cylinder	1
12	• 030-0316-00	• Tube Weldment	1
13	• 042-0047-00	• Crescent Ring	1
14	• 016-0090-02	• Die Cast Jaw	2
15	• 050-4466-40	• Support Plate Weldment	1
16	• 040-0312-09	• Screw	3
17	• 016-0050-00	• Handle Knob	2
18	• 057-0112-00	• Handle (Apply Loctite #042-0025-00)	1
19	• 057-0116-00	• Handle Mount	1
20	• 053-0114-00	• Nylon Bearing	1
21	• 030-1234-00	• Back Support Weldment	1
22	• 041-0250-06	• Hex Nut	4
23	• 045-0001-03	• Lockwasher	8
24	• 016-0821-00	• Swivel	1
25	• 040-0250-47	• Screw	4
26	• 029-3227-00	• Torso Band (Specify Color)	1
27	• 028-0015-00	• Upholstered Stool Seat Pad (Specify Color)	1
28	• 040-0250-03	• Screw	4

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COMMENTS

The Technical Publications Department of Midmark Corporation takes pride in its publications. We are sure that our manuals will fill all of your needs when you are performing scheduled maintenance, servicing, or repairs on a Midmark product.

However, if you find any errors or feel that there should be a change, addition, or deletion to a manual, please let us know!

Page(s) and Paragraph(s) Needing Changed:

Description of Error or Desired Change:

Please fax or mail a copy of this completed comment sheet to:

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60 Vista Drive
Versailles, Ohio 45380
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FAX ORDERING FORM

(SERVICE PARTS ONLY)

NOTES:

- **ALL BLOCKED AREAS MUST BE COMPLETED.**
- **USE FOR NON-WARRANTY FAX ORDERS ONLY. WARRANTY ORDERS MUST BE TELEPHONED IN (1-800-MIDMARK).**

ATTENTION: SERVICE DEPARTMENT FAX#: 877-249-1793

ACCT #: _____ **P.O. #:** _____ **DATE:** _____

NAME: _____ **SHIP TO:** _____

ADDRESS: _____

CITY, ST.: _____

CONTACT: _____

PHONE: _____

☐ **NON-EMERGENCY ORDER - TO SHIP WITHIN 72 HOURS IF PART(S) IN STOCK.**

☐ **EMERGENCY ORDER - TO SHIP WITHIN 24 HOURS IF PART(S) IN STOCK (IF ORDER IS RECEIVED BEFORE 1:30 P.M. E.S.T).**

SEND NOTIFICATION IF PARTS ARE NOT AVAILABLE TO SHIP WITHIN 24 HOURS VIA E-MAIL OR FAX TO: _____

METHOD OF SHIPMENT **OTHER** _____

UPS	FED EX
☐ NEXT DAY A.M.	☐ NEXT DAY A.M.
☐ NEXT DAY P.M.	☐ NEXT DAY P.M.
☐ 2ND DAY	☐ 2ND DAY
☐ GROUND	☐ ECONOMY

QTY.	PART #	DESCRIPTION (SPECIFY COLOR OF ITEM IF APPLICABLE)	COLOR CODE	PRICE/PER

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P.O. Box 286
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